



E-BULLETIN

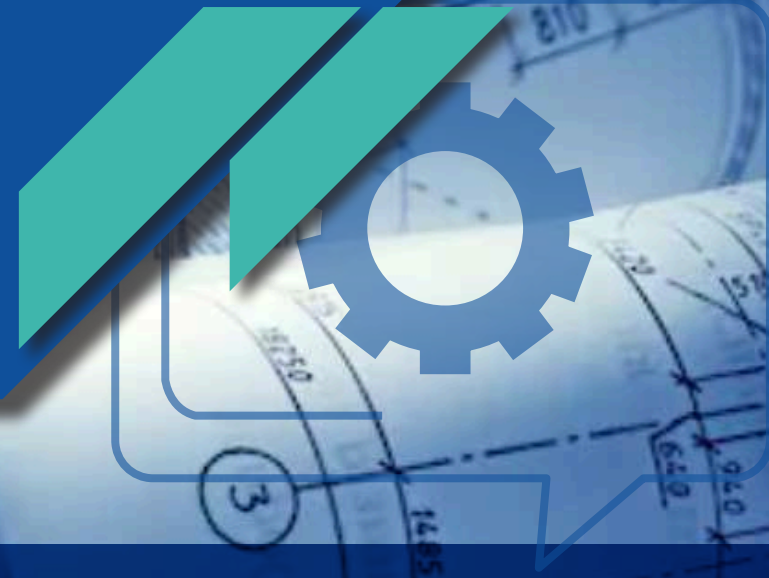


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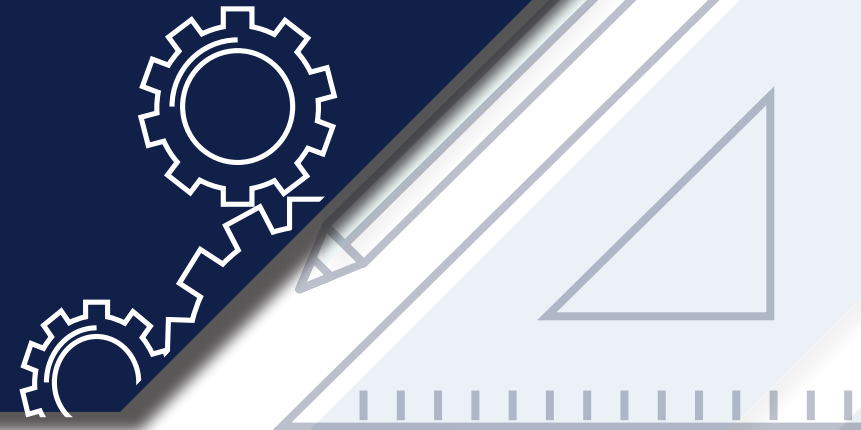
What's Inside



- 01** Pool of partnerships increase as ECSA signs two more MOU's
- 02** UJ And ECSA enter into an agreement to form a Student Chapter that is inclusive of all Engineering Disciplines
- 03** Nomination for ECSA Council Members now open
- 04** CPD requirements for retired Registered Persons
- 05** Update on the MEng Qualification Standards



Editor's Note



Dear Reader,

Numerous phrases have been attached to the year 2020. Phrases such as 20 plenty, 2020 blessings, 2020 vision and many others. These phrases seem to articulate the outcome people wish to see at the end of the current year. Combined with these phrases are the annual resolutions that people set to achieve. However, the pronouncements and the resolutions without a clear plan of action will remain just that, resolutions and pronouncements.

The business sector is no different and Mark Twain an American writer, humourist, entrepreneur, publisher, and lecturer said, "The secret of getting ahead is getting started."

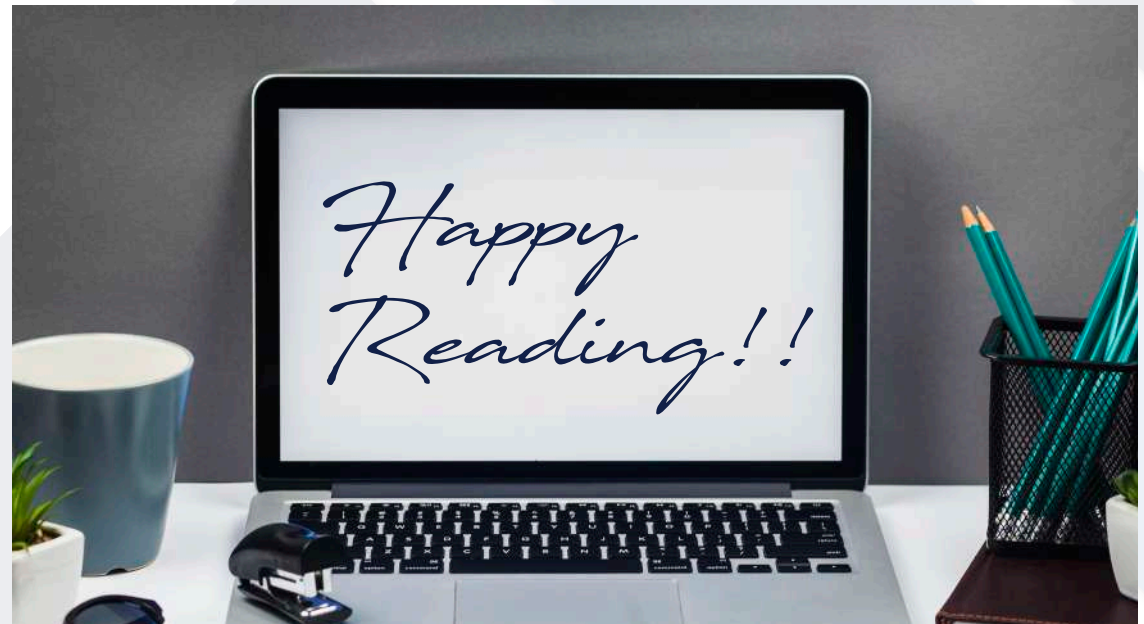
Therefore, the Engineering Council of South Africa this year brings about a great shift as it will implement the new five-year strategy. The new 2020-2025 strategy highlights the identification of work as a key feature that impacts on the work of Registered Persons, this will be a major component of the strategy for the next five years. This will be clearly unpacked in the next editions of E-Bulletin.

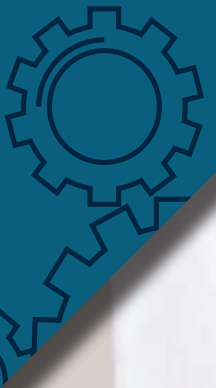
In this edition we will look at the Memorandums of Understanding that have been signed between ECSA and two engineering bodies. Furthermore, an MOU was signed between ECSA and the University of Johannesburg Hydrogen Innovation Society (UJHIS). This agreement has led to the formation of the ECSA Student Chapter.

This edition also provides an update on the approved MEng Qualification standards following the workshop that was held in November 2018 at Gold Reef City.

The term of office for the current Council is coming to an end and this means the nomination stage for new council members is now open. The edition will therefore provide the steps one can follow to nominate candidates for the Council.

Lastly, the retired Registered Persons are provided with the requirements for Continued Professional Development (CPD).





BOTSWANA INSTITUTION OF ENGINEERS



ECSA CEO Mr Sipho Madonsela, along with the president of FAEO, Mr Martin Manuhwa, SAFEQ president Mr George Sitali, the president of the Botswana Institution of Engineers, Ms Linda Moseki and EIZ's Mr Happy Musumali pose for a photograph after the MOU signing ceremony held in Botswana. The ceremony saw ECSA enter into a partnership with the Engineering Institution of Zambia as well as and the Engineers Registration Board.

01

Pool of partnerships increase as ECSA signs two more MOU's

In any sector whether public or private, business experts have always emphasised the importance of strategic partnerships that benefit both parties and develop the business of each party.

The Engineering Council of South Africa (ECSA) has heeded this advice and is seen forming partnerships with other engineering bodies both within and outside the borders of South Africa. Two of these partnerships include the Memorandum of Understandings (MOU) that have been entered into by ECSA and the Engineers Registration Board in Botswana (ERB) as well as the MOU between ECSA and the Engineering Institution of Zambia (EIZ). While both MOU's focus on capacity building and acknowledge that all parties have an interest in and play a significant part in Engineering Education and Programme Accreditation, each party fulfils different mandates and MOU's confirm the complimentary roles of the different parties in this mutual endeavour.

In the MOU between ECSA and the EIZ, ECSA has agreed to assist EIZ with the development of accreditation standards, policy, procedures and templates, mentorship programme for the Engineering Accreditation Board (EAB), conducting workshops for the training of Engineering Accreditation Board (EAB) assessors and the assistance for the nomination and application of the EIZ for provisional membership to the Washington Accord. The EIZ agrees to share information regarding its progress and new developments in the accreditation of qualification process with ECSA, facilitate through the EAB the availability of persons with relevant qualifications and experience in the process of development of required documents for the establishment of the assessment teams. In addition, the EIZ commits to inviting ECSA to comment on the development of and review of EAB

policies and procedures. Lastly, EIZ commits to ensuring that EAB follows the relevant accreditation policies and processes of ECSA for the accreditation of engineering degree programmes offered by Higher Institutions in Zambia until EAB is capacitated to conduct accreditation.

With the MOU between ECSA and ERB, ERB has committed to develop mechanisms that are aligned for the recognition of registration between the two parties, ERB undertakes to be mentored by ECSA around its applications to the International Engineering Alliance (IEA) for various accords and competency agreements, develop mechanisms to recognise CPD activities in each other's jurisdiction, facilitate for ECSA to build accreditation capacity in Botswana and support ERB in their pursuit of becoming an accreditation agency. In this MOU ECSA agrees to develop mechanisms that are aligned for the recognition of registration between the two parties, provide mentorship to ERB with their applications to IEA for various accords and agreements, assist ERB to build capacity to become their own accreditation agency and share various platforms ECSA is involved in to facilitate knowledge exchange between the two parties.

While these parties each have their own responsibilities, the three parties will on an ongoing basis continue to identify areas of collaboration that will see the engineering fraternity develop to the extent that it can achieve the education and practice standards set by the international engineering bodies. These partnerships are part of the bigger picture that ECSA seeks to achieve which is that of building an engineering industry through capacitation that will impact on the quality of engineers the continent will produce.

02

UJ And ECSA enter into an agreement to form a Student Chapter that is inclusive of all Engineering Disciplines



ECSA Student Chapter members

Voluntary Associations and some built professional councils have over the years formed student chapters that seek to provide unique opportunities for networking, mentoring and bonding over common interests. While these are effective in their operations, there has not been a student chapter that caters for all the engineering disciplines.

In seeing the gap and attempting to close the gap, the Engineering Council of South Africa (ECSA) together with the University of Johannesburg's Hydrogen Innovation Society (UJHIS), a non-political, multi-disciplinary society catering for the social and academic needs of students who wish to pursue renewable energy studies outside the scope of their respective curriculums at the University of Johannesburg, have entered into a Memorandum of Understanding (MOU). The

agreement between ECSA and UJHIS has formed the ECSA Student Chapter and is inclusive of all the engineering disciplines. This student chapter remains key as it will serve as a bridge between the engineering industry and academia while easing the transition for students into the professional field. The objective of the student chapter is to have a body of students at tertiary institutions who will advocate for the professionalisation of the engineering environment. As part of the agreement, the ECSA Student Chapter is committed to supporting students in preparing to build their network and gain valuable career advice. Through a variety of activities and initiatives the student chapter will encourage the promotion of engineering to the students of the University of Johannesburg. Members of the student chapter will have the opportunity to attend seminars and conferences to increase professional knowledge and to network with registered persons in the engineering profession. Furthermore, upon completing their studies members of the student chapter will be able to register as candidates with ECSA. The student chapter will have the opportunity to showcase their completed projects at international, national and local events that are hosted or attended by ECSA. One of these projects is the Hydrogen Innovation Car which the society has designed and forms part of the exhibitions done by the student chapter.

This initiative also gives students an opportunity to meet with other students who are pursuing careers in engineering and have the opportunity to interact with professionals in the engineering industry for purposes of mentorship and student's professional development.

While this is the first student chapter ECSA has established, there are plans in place to extend the scope and extend the ECSA footprint across the Higher Institutions of Learning.

03 Nomination for ECSA Council Members now open

The Engineering Council of South Africa (ECSA) is calling for Council Nominations for 2020. The call comes amid the term of office for current council members coming to an end.

The council nomination is open to members of the public, ECSA Registered Persons, members representing the local, provincial and national government, members from voluntary associations as well as nominating bodies. The closing date for nominations is 28 February 2020.

To participate in the Nomination Process:

All persons wanting to participate must register on the system. Upon successful registration it is required to enter the One Time Pin (OTP) that will be sent to the cell number provided when registering on the system. To proceed to register, select the Register tab.

Step 1:

Select the Register Tab and complete the Registration form and your Login Details then click on the REGISTER Tab. (You will note a message on the screen: Success: account registered. You can now login.) An SMS confirming your registration will be sent to the cell

number you provided when registering, the SMS will confirm your username and password.

Step 2:

Once you have registered, proceed to click the LOGIN tab. On login you will capture your Username and Password, when logging in for the first time you will be required to insert the One Time Pin (OTP) which will be sent to the cell number that you used when registering. Insert the One Time Pin (OTP) and select the SUBMIT tab. (You will note a message on the screen: OTP Success. Your account is now activated)

Step 3:

Once you have logged into the system, you may proceed to:

Start Nomination Process Tab: this tab allows the nominator to submit a nomination, you will need the South African Identity Number and cell number of the person you want to nominate.

View Nominations Tab: this tab allows a nominee to see if he/she has been nominated and to accept the nomination/s

Nominee Documentation Tab: this tab allows a

nominee to complete the required documentation in order to complete the nomination.

NOTE: incomplete documentation will be considered as an incomplete nomination by the selection panel.

Interested parties may go to this link

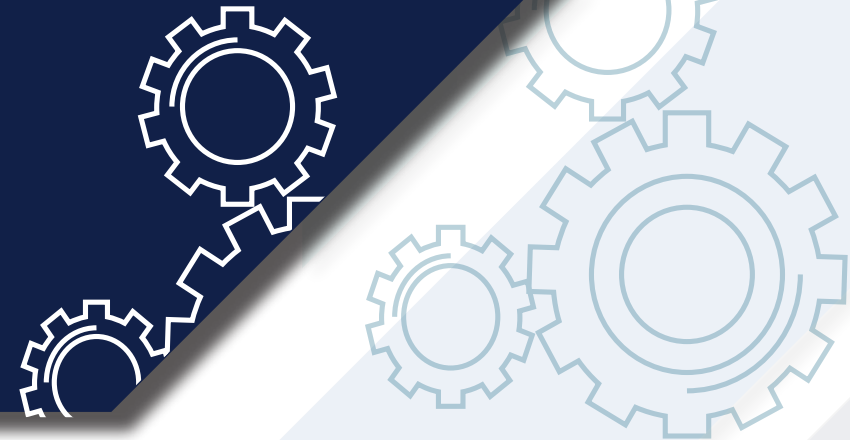
www.es4aict1.org.za

NOMINATION



www.es4aict1.org.za

04 CPD requirements for retired Registered Persons



The Continued Professional Development (CPD) requirements for retired Registered Persons differ from employed Registered Persons. To assist retired Registered Persons with the CPD requirements, The Engineering Council of South Africa (ECSA) wishes to highlight the exemptions that apply.

As stipulated in rule 8(2) of the Rules on Continuing Professional Development and Renewal of Registration the following Registered Persons are exempted from obtaining CPD credits but not from applying for the renewal of their registration at the end of the cycle, as this remains compulsory for all registered persons:

- Registered Persons who have retired completely, are no longer carrying out any engineering work in consulting capacity or in a salaried position and who are listed on the Council's register as "retired".
- Retired Registered Persons who are listed on the Council's register of retired persons, who carry out part-time engineering work within the limits defined by the council for purposes of listing as a retired person (less than 300 hours per year), are exempted from the requirement to accumulate five credits in Category 1 specified in Table B: Category Activities, but must accumulate at least one (1) credit per year in of the categories.
- Registered Persons who are seventy (70) years of age or more, who remain active in engineering and carry out more than the 300 hours per year of engineering work are exempted from the requirement to accumulate five credits in Category 1 specified in Table B: Category Activities, but must accumulate at least three (3) credits per year in any of the categories.

Should an exempted registered person, listed above resume engineering work or related activities, he/she needs to formally notify Council of such changes as the exemptions will no longer apply.

All documentation referenced above can be obtained electronically from our website (www.ecsa.co.za).

05 Update on the MEng Qualification Standards

In 2019, an article was published on the new pathway to MEng Qualification Standards that were discussed at a consultation workshop held at Gold Reef City Theme Park Hotel, in the Gauteng region.

Following the workshop, the Engineering Council of South Africa (ECSA) received numerous queries pertaining to the new standards and the organisation has to date published the revised standards and pathway to MEng Qualification.

This new standard takes into account the cancellation of the BTech degree by the Department of Higher Education who recognised that although the BTech degree is a specialised degree within a sub discipline, the knowledge area profile of the BTech degree does not meet the requirement of the BEng degree. Furthermore, the curriculum of a BTech degree lacks the broad based discipline specific engineering sciences within a discipline and it is not geared towards solving complex problems.

The new standard which is a pathway to the MEng degree seeks to meet the engineer educational benchmark. The pathway encapsulates the BEng Tech being followed by an Honours or Post Graduate Diploma degree in the same or cognate discipline. This alone will not give equivalence to the BEng. The BEng Tech must be followed by a combination of qualifications that together meet or exceed the requirements for the BEng. This is provided by an appropriately curated BEng Tech (Hons) or PGDip Post Graduate Diploma (Engineering) followed by a suitably structured Professional Master's Degree.

The new pathway ensures that the necessary knowledge content areas specifically mathematics, natural sciences and engineering design and synthetics have been curated. This is to ensure that both the knowledge content areas and the developed Graduate Attributes exceed the requirement of a Bachelor of Engineering Qualification. Pertaining to Professional Technologists who had completed a BTEC qualification in the past and had been working at the level of engineer for several years may apply the existing ECSA policy E-17-P that has successfully been used many times to recognise those technologists working as engineers and enable them to be registered as Professional Engineers.



Various stakeholders attending the workshop

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Thank you for reading...until next time



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a role player.**

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our communication. Feedback and comments may
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